



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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|                                  |   |                          |   |  |  |   |                                |                    |
|----------------------------------|---|--------------------------|---|--|--|---|--------------------------------|--------------------|
| 1. GENERAL AND WELL LOCATION     | OSE POD NO. (WELL NO.)<br><b>B-28 POD 1338</b>  |                          | WELL TAG ID NO.<br><b>Deep IR</b>                                 |  | OSE FILE NO(S).  |   |                                |                    |
|                                  | WELL OWNER NAME(S)<br><b>Homestake Mining Company of CA</b>   |                          |   |  | PHONE (OPTIONAL)<br><b>505 290-2187</b>  |   |                                |                    |
|                                  | WELL OWNER MAILING ADDRESS<br><b>PO Box 98</b>  |                          |   |  | CITY<br><b>Grants</b>  | STATE<br><b>NM</b>                                      |                                |                    |
|                                  |   |                          |   |  | ZIP<br><b>87020</b>  |   |                                |                    |
| 2. DRILLING & CASING INFORMATION | WELL LOCATION (FROM GPS)  |                          | DEGREES<br><b>35</b>  | MINUTES<br><b>14</b>   | SECONDS<br><b>30.72 N</b>  | * ACCURACY REQUIRED: ONE TENTH OF A SECOND              |                                |                    |
|                                  |   |                          | LONGITUDE<br><b>107</b>   | <b>51</b>  | <b>19.55 W</b>   | * DATUM REQUIRED: WGS 84                                |                                |                    |
|                                  | DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE<br><b>Next to large Water Tower on Homestake property</b> |                          |   |  |  |   |                                |                    |
|                                  |   |                          |   |  |  |   |                                |                    |
| 3. ANNULAR MATERIAL              | LICENSE NO.<br><b>WD 1723</b>   |                          | NAME OF LICENSED DRILLER<br><b>Randal Stewart</b>                 |  | NAME OF WELL DRILLING COMPANY<br><b>Stewart Brothers</b>   |   |                                |                    |
|                                  | DRILLING STARTED<br><b>1/1/18</b>   |                          | DRILLING ENDED<br><b>1/22/18</b>                                  |  | DEPTH OF COMPLETED WELL (FT)<br><b>1025</b>  | BORE HOLE DEPTH (FT)<br><b>1025</b>                     |                                |                    |
|                                  |   |                          |   |  | DEPTH WATER FIRST ENCOUNTERED (FT)<br><b>50 ft</b>   | STATIC WATER LEVEL IN COMPLETED WELL (FT)<br><b>165</b> |                                |                    |
|                                  | COMPLETED WELL IS:  |                          | <input checked="" type="radio"/> ARTESIAN                         |  | <input type="radio"/> DRY HOLE <input type="radio"/> SHALLOW (UNCONFINED)                            |   |                                |                    |
|                                  | DRILLING FLUID:   |                          | <input type="radio"/> AIR <input checked="" type="radio"/> MUD    |  | ADDITIVES - SPECIFY:   |   |                                |                    |
|                                  | DRILLING METHOD:  |                          | <input checked="" type="radio"/> ROTARY                           |  | <input type="radio"/> HAMMER <input type="radio"/> CABLE TOOL <input type="radio"/> OTHER - SPECIFY: |   |                                |                    |
|                                  | DEPTH (feet bgl)  |                          | BORE HOLE DIAM. (inches)  | CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen) | CASING CONNECTION TYPE (add coupling diameter)   | CASING INSIDE DIAM. (inches)                            | CASING WALL THICKNESS (inches) | SLOT SIZE (inches) |
|                                  | FROM  | TO                       |   |  |  |   |                                |                    |
|                                  | <b>0</b>  | <b>100</b>               | <b>24</b>   | <b>LCS 16" 375</b>   | <b>Weld</b>  | <b>15 1/4</b>   | <b>.375</b>                    |                    |
|                                  | <b>0</b>  | <b>955</b>               | <b>14 3/4</b>   | <b>304 SS BLANK</b>  | <b>Weld</b>  | <b>10</b>   | <b>.36</b>                     |                    |
| DEPTH (feet bgl)                 |   | BORE HOLE DIAM. (inches) | LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL |  | AMOUNT (cubic feet)  | METHOD OF PLACEMENT                                     |                                |                    |
| FROM                             | TO  |                          |   |  |  |   |                                |                    |
| <b>0</b>                         | <b>100</b>  | <b>24</b>                | <b>Neat Cement</b>  |  | <b>15 yds</b>  | <b>Tremie</b>   |                                |                    |
| <b>0</b>                         | <b>955</b>  | <b>14 3/4</b>            | <b>Neat Cement</b>  |  | <b>27 yds</b>  | <b>Pressure</b>   |                                |                    |

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|                              | DEPTH (feet bgl)  |      | THICKNESS<br>(feet) | COLOR AND TYPE OF MATERIAL ENCOUNTERED -<br>INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES<br>(attach supplemental sheets to fully describe all units) | WATER BEARING?<br>(YES / NO) |   | ESTIMATED<br>YIELD FOR<br>WATER-<br>BEARING<br>ZONES (gpm) |
|------------------------------|---|------|---------------------|--|------------------------------|---|--|
|                              | FROM  | TO   |                     |  |                              |   |  |
| 4. HYDROGEOLOGIC LOG OF WELL | 0   | 100  | 100                 | Overburden, Clay and wet SAND  | Y                            | (N)   |  |
|                              | 100   | 200  | 100                 | Clay and Shale   | Y                            | (N)   |  |
|                              | 200   | 300  | 100                 | Shale  | Y                            | (N)   |  |
|                              | 300   | 400  | 100                 | Sandy Shale & Clay   | Y                            | (N)   |  |
|                              | 400   | 500  | 100                 | Clay and SAND  | Y                            | (N)   |  |
|                              | 500   | 600  | 100                 | Shale  | Y                            | (N)   |  |
|                              | 600   | 700  | 100                 | Clay and Sandy Shales  | Y                            | (N)   |  |
|                              | 700   | 955  | 255                 | Shale and Sandy Clay   | Y                            | (N)   |  |
|                              | 955   | 1025 | 70                  | Sand   | (Y)                          | N   |  |
|                              |   |      |                     |  | Y                            | N   |  |
|                              |   |      |                     |  | Y                            | N   |  |
|                              |   |      |                     |  | Y                            | N   |  |
|                              |   |      |                     |  | Y                            | N   |  |
|                              |   |      |                     |  | Y                            | N   |  |
|                              | METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:<br><input type="checkbox"/> PUMP <input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:  |      |                     |  |                              | TOTAL ESTIMATED<br>WELL YIELD (gpm):                      0 |  |
| 5. TEST, RIG SUPERVISION     | WELL TEST      TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.  |      |                     |  |                              |   |  |
|                              | MISCELLANEOUS INFORMATION:<br><br><div style="font-size: 1.2em; margin-top: 10px;">Well not tested at time of completion.</div>   |      |                     |  |                              |   |  |
| 6. SIGNATURE                 | PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:<br><div style="font-size: 1.2em; margin-top: 10px;">Davis Gaddy, Randy Stewart</div>  |      |                     |  |                              |   |  |
|                              | <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 40%;"> <p style="font-size: 0.8em; margin: 0;">THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:</p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p style="font-size: 1.5em; margin: 0;">Randy Stewart</p> <p style="font-size: 0.8em; margin: 0;">SIGNATURE OF DRILLER / PRINT SIGNEE NAME</p> </div> <div style="width: 45%;"> <p style="font-size: 1.5em; margin: 0;">Randy Stewart</p> <p style="font-size: 0.8em; margin: 0;">DATE</p> </div> </div> </div> <div style="width: 55%; text-align: right;"> <p style="font-size: 1.5em; margin: 0;">2/20/18</p> </div> </div> |      |                     |  |                              |   |  |

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